

**Response to reviewer #1:**

Thank you for your advice first.

Abbreviations have been revised.

**Response to reviewer #2:**

Thank you for your advice first.

I agree that this delayed in the management of this complication was partially because of the patient herself.

**Response to reviewer #3:**

Thank you for your advice first.

1. Can you provide the X-ray or CT scan after the first PVP operation?

Figure. 1 is the post-operative X-ray after the first PVP operation.

2. If the cement leakage was found after the first operation, why was the cement not removed by surgery in time? 2. When did the patient develop symptoms of neurological impairment.

The first operation was not done in our hospital. The patient did not suffer serious neurological impairment after first operation, she felt only some weakness of both legs, she could walk normally. Doctors also did not pay too much attention to it. That is why the complication was delayed. 5 years later, the patient began to develop symptoms two months before admission to our hospital, and the situation progressively aggravated in the following two weeks.

3. Please provide CT scan images after cement removal.

We usually do X-ray after operation. And the patient refused to take CT scan after second operation. So I am sorry we could not provide CT scans after cement removal.